



Kentucky Agricultural Statistics Service
P.O. Box 1120
Louisville, Kentucky 40201-1120
(502) 582-5293 or 1-800-928-5277

LELAND E. BROWN, Director

KENTUCKY WEEKLY CROP & WEATHER REPORT



Prepared in Cooperation with:
Univ. of Ky - Agr'l Weather Center
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Kentucky Department of Agriculture
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AGRICULTURAL NEWS: Weather conditions this past week seemed relatively calm compared to the storms of past weeks. Temperatures for the State averaged 75 degrees, which was 2 degrees below normal. Precipitation for the week was 0.33 inches below normal, with the State average at 0.72 inches. Major farming activity this week included cultivating and topping tobacco, harvesting hay, and clipping pastures. There were a few reports that mentioned tobacco being cut. Days suitable for fieldwork averaged 5.0 out of a possible seven days. Topsoil moisture as of Friday, July 23 was rated 1 percent very short, 15 percent short, 76 percent adequate and 8 percent surplus. Subsoil moisture was rated 2 percent very short, 12 percent short, 80 percent adequate and 6 percent surplus.

CORN: Many reporters seem to be optimistic about both corn quality and yield. Some reporters have indicated that in the western part of the State corn was beginning to dent. As of Sunday, July 25, ninety-one percent of the corn has silked or is silking, compared to last year's 73 percent and the 5 year average of 84 percent. Sixty percent was in the milk stage or beyond, which was ahead of last year's 49 percent and the 5 year average of 57 percent. Twenty-seven percent of the corn has reached the dough stage or beyond, compared to 24 percent last year and the 5 year average of 31 percent. Corn was in fair to excellent condition, with 3 percent poor, 17 percent fair, 42 percent good, and 38 percent excellent.

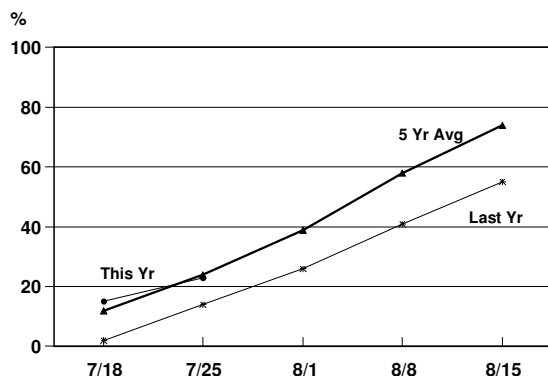
SOYBEANS: Farmers were spraying soybeans for weeds during the week. As of Sunday, July 25, 59 percent of the

soybeans were blooming and 32 percent were setting pods, last year 30 percent were blooming and 8 percent were setting pods. The 5 year average for soybeans blooming and setting pods were 50 and 24 percent respectively. Condition of emerged soybeans was rated 6 percent poor, 15 percent fair, 43 percent good, and 36 percent excellent.

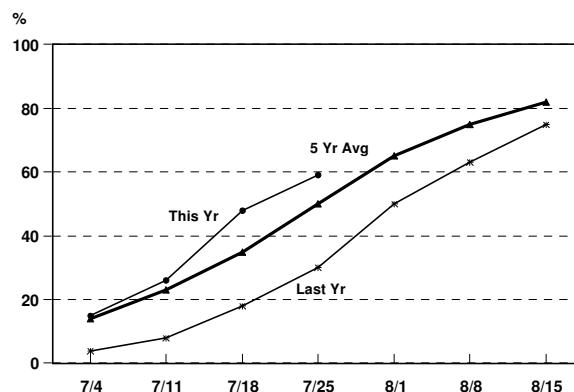
TOBACCO: Blue mold concerns are easing in all but the eastern part of the State due to aggressive control spraying and more favorable weather conditions. The only negative reports deal with the lack of height on the plants. Topping and spraying tobacco for sucker control were the primary work activities across the State. As of Sunday, July 25, the condition of set tobacco was reported as 3 percent very poor, 11 percent poor, 26 percent fair, 48 percent good, and 12 percent excellent. Fifty-two percent of burley tobacco was blooming or beyond, which was ahead of both last year's 31 percent and the 5 year average of 48 percent. Twenty-three percent of burley tobacco was topped, ahead of last year's 14 percent but just behind the 5 year average of 24 percent. Dark tobacco was reported 36 percent topped.

OTHER CROPS: Hay baling and pasture clipping continued to be major farming activities this past week. The condition of the hay crop was rated 1 percent very poor, 6 percent poor, 20 percent fair, 55 percent good, and 18 percent excellent. **Pastures** remain in good to excellent condition and were rated 1 percent very poor, 5 percent poor, 20 percent fair, 51 percent good and 23 percent excellent.

BURLEY TOBACCO PERCENT TOPPED



SOYBEANS PERCENT BLOOMING



KENTUCKY CROP PROGRESS

WEEK ENDING JULY 25, 2004

WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Soybeans					
Blooming	59	30	50	48	59
Setting Pods	32	8	24	18	16
Corn					
Silking	91	73	84	89	50
Milk Stage	60	49	57	44	NA
Dough Stage	27	24	31	20	9
Burley Tobacco					
Blooming	52	31	48	32	NA
Topped	23	14	24	15	NA
Dark Tobacco					
Topped	36	NA	NA	NA	NA

(NA) Data Not Available.

SOIL MOISTURE

WEEK ENDING JULY 23, 2004

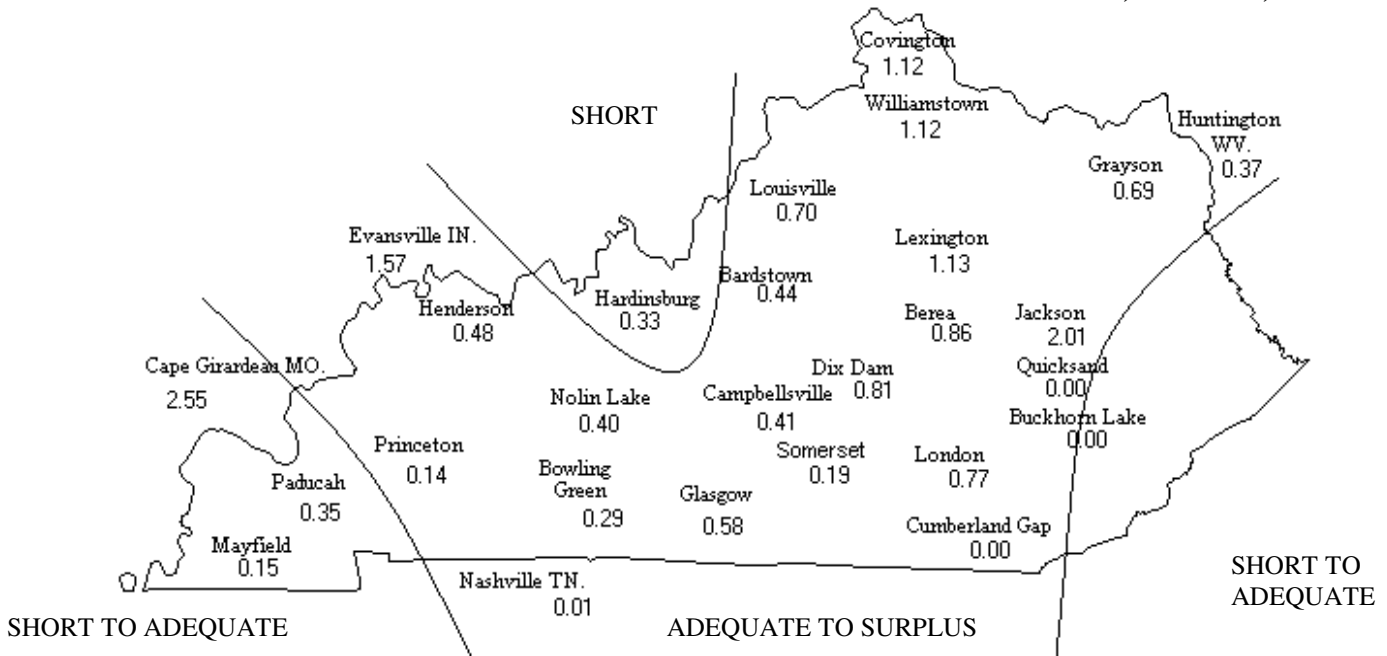
WITH COMPARISONS

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	1	3
Short	15	11
Adequate	76	76
Surplus	8	10
SUBSOIL		
Very Short	2	2
Short	12	8
Adequate	80	80
Surplus	6	10

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JULY 23, 2004					WEEK ENDING JULY 16, 2004				
	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Corn	0	3	17	42	38	0	3	18	46	33
Soybeans	0	6	15	43	36	0	4	14	52	30
Pasture	1	5	20	51	23	1	3	22	50	24
Hay Crops	1	6	20	55	18	1	6	17	56	20
Tobacco	3	11	26	48	12	2	11	20	53	14

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 25, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 23, 2004



KENTUCKY WEATHER SUMMARY, JULY 19 - 25, 2004:

BELOW NORMAL TEMPERATURES AND BELOW NORMAL PRECIPITATION:

The week began under a dome of high pressure. On Monday morning, temperatures fell into the upper 50's at Paducah setting a record low. By Tuesday, southerly flow returned to Kentucky bringing warmer temperatures and higher humidity values. A frontal boundary moved through Thursday and Friday bringing numerous showers across the Commonwealth. Saturday was arguably the nicest day of the week as sunny skies prevailed and high temperatures ranged from the upper 70's to the lower 80's, which is below normal for this time of year. However, rain returned again on Sunday. Overcast skies kept high temperatures in the upper 60's across western areas of the State. Our relatively cool summer continued as 4 of the last 5 weeks have averaged below normal temperatures. After 2 weeks of near normal precipitation amounts, the average precipitation values fell below normal again.

Temperatures for the period averaged 75 degrees across the State which was 2 degrees below normal. High temperatures averaged from 85 degrees in the West to 84 degrees in the East. Departure from normal high temperatures ranged from 5 degrees below normal in the West to 2 degrees below normal in the East. Low temperatures averaged from 66 degrees in the West to 64 degrees in the East. Departure from normal low temperature ranged from 0 degree from normal in the West to 1 degree below normal in the East. The extreme high temperature was 92 degrees at Paducah. The extreme low temperature was 58 degrees at London, Somerset, and Bardstown.

Rainfall for the period totaled 0.72 inches statewide which was 0.33 inches below normal. Precipitation totals by climate division, West 0.87 inches, Central 0.46 inches, Bluegrass 1.05 inches and East 0.50 inches, which was 0.05, 0.65, 0.01 and 0.63 inches respectively below normal. By station, precipitation totals ranged from a low of 0.00 inches at Buckhorn Lake to a high of 2.01 inches at Jackson.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, JULY 25, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)			(Degrees Fahrenheit)								
Bardstown	0.44	27.52	7.13	+11.48	+2.73	86	58	73.1	-3	160	2174	+149
Berea	0.86	21.10	5.11	+4.52	+1.15	86	62	74.4	-1	169	2290	+209
Bowling Green	0.29	22.37	4.67	+5.12	+0.43	89	62	75.9	-0	177	2328	+217
Bristol	0.80	15.18	1.52	+0.96	-2.32	90	57	73.6	-2	161	2088	+179
Buckhorn Lake	0.00	21.04	0.60	+5.13	-3.72	87	60	74.4	-1	167	2111	+287
Cape Girardeau	2.55	16.49	5.63	+0.55	+2.43	94	60	75.4	-3	170	2296	+74
Campbellsville	0.41	20.67	4.19	+2.25	-0.56	88	59	74.7	-1	169	2272	+221
Covington	1.12	18.24	3.96	+2.95	+0.16	90	59	72.8	-3	155	2013	+139
Cumberland Gap	0.00	15.68	0.06	-1.72	-4.62	87	60	74.4	-1	167	2168	+289
Dix Dam	0.81	23.88	6.02	+7.25	+1.65	86	60	73.7	-2	165	2199	+174
Evansville	1.57	17.49	5.40	+1.97	+1.79	91	63	75.1	-3	170	2315	+209
Glasgow	0.58	20.40	3.14	+1.91	-1.60	92	60	77.2	+1	180	2427	+406
Grayson	0.69	17.01	2.18	+1.36	-2.12	88	60	73.8	-2	164	2132	+369
Hardinsburg	0.33	21.69	2.93	+4.87	-1.30	89	61	75.6	-1	175	2269	+158
Henderson	0.48	16.27	2.11	+0.37	-1.57	91	62	75.4	-3	173	2263	+127
Huntington	0.37	14.29	1.31	-1.25	-3.04	89	60	74.2	-1	167	2152	+248
Jackson	2.01	25.97	5.09	+9.34	+0.47	86	61	73.1	-2	160	2072	+248
Lexington	1.13	24.45	4.85	+8.41	+0.45	85	60	72.7	-3	157	2084	+180
London	0.77	21.29	4.08	+5.65	-0.12	86	58	73.4	-2	163	2108	+229
Louisville	0.70	24.69	4.74	+8.74	+0.76	91	60	74.9	-1	168	2232	+126
Mayfield	0.15	11.93	1.31	-5.12	-2.65	87	60	74.4	-4	167	2204	+32
Nashville	0.01	18.54	1.42	+2.52	-2.14	92	64	78.1	+2	187	2444	+192
Nolin Lake	0.40	22.19	4.39	+4.19	-0.07	90	61	76.1	-0	176	2322	+382
Paducah	0.35	14.00	1.07	-3.38	-2.71	92	59	76.7	-1	177	2387	+190
Princeton	0.14	18.93	2.87	+1.86	-0.97	92	58	77.0	-1	180	2387	+221
Quicksand	0.00	23.50	1.25	+6.87	-3.37	87	60	74.4	-1	167	2111	+287
Somerset	0.19	17.66	2.23	+0.06	-2.14	86	58	73.1	-2	159	2109	+139
Spindletop	1.26	20.08	4.10	+4.04	-0.30	85	58	72.5	-3	156	2053	+149
Williamstown	1.12	16.80	3.02	+0.82	-1.01	88	61	72.8	-3	156	2116	+212

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

CROP PROGRESS PERCENT FOR WEEK ENDING JULY 18, 2004

SOYBEANS SETTING PODS

	Curr	Last Wk	2003	Avg
AR	31	16	16	16
IL	25	12	7	13
IN	22	8	4	15
IA	19	3	10	16
KS	15	4	9	13
KY	18	0	3	12
LA	55	45	44	48
MI	5	0	1	5
MN	2	0	5	6
MS	82	76	67	64
MO	13	3	6	10
NE	11	3	2	9
NC	5	3	0	2
ND	1	0	8	11
OH	15	0	4	10
SD	2	0	6	11
TN	13	1	8	14
WI	0	0	0	1
18 States	16	6	8	13

These 18 States planted 96% of last year's soybean acreage.

CORN SILKING

State	Curr	Last Wk	2003	Avg
CO	10	1	17	16
IL	83	72	56	64
IN	82	61	29	52
IA	38	9	22	33
KS	77	53	64	69
KY	89	80	65	76
MI	19	2	2	14
MN	12	1	34	30
MO	91	82	76	76
NE	49	18	33	40
NC	96	93	83	87
ND	1	0	21	23
OH	67	28	22	30
PA	58	23	2	24
SD	1	0	4	9
TN	95	91	91	92
TX	85	80	83	82
WI	10	1	9	10
18 States	50	32	35	42

These 18 States planted 92% of last year's corn acreage.

CORN DOUGH

State	Curr	Last Wk	2003	Avg
CO	0	0	1	1
IL	15	10	6	9
IN	10	3	1	4
IA	0	0	0	0
KS	18	8	10	12
KY	20	0	15	15
MI	0	0	0	0
MN	0	0	0	0
MO	36	20	22	24
NE	3	0	1	3
NC	52	27	17	45
ND	0	0	0	0
OH	5	0	0	1
PA	9	2	0	4
SD	0	0	0	0
TN	50	22	41	36
TX	63	58	64	62
WI	0	0	0	0
18 States	9	5	5	6

These 18 States planted 92% of last year's corn acreage.

CROP CONDITION PERCENT FOR WEEK ENDING JULY 18, 2004

SOYBEANS

State	VP	P	F	G	EX
AR	3	5	29	45	18
IL	1	3	21	56	19
IN	3	6	22	52	17
IA	2	6	20	50	22
KS	0	3	15	67	15
KY	0	4	14	52	30
LA	2	16	37	41	4
MI	3	10	30	42	15
MN	2	10	35	46	7
MS	1	7	16	52	24
MO	2	5	24	53	16
NE	1	4	15	60	20
NC	0	1	28	67	4
ND	1	4	31	57	7
OH	5	13	31	40	11
SD	0	2	19	62	17
TN	1	3	17	56	23
WI	6	8	25	41	20
18 States	2	6	24	52	16
Prev Week	2	6	24	53	15
Prev Year	2	6	24	51	17

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

CORN

State	VP	P	F	G	EX
CO	0	2	14	44	40
IL	1	1	12	57	29
IN	3	5	17	53	22
IA	2	5	16	51	26
KS	1	4	18	57	20
KY	0	3	18	46	33
MI	5	14	28	36	17
MN	2	5	29	52	12
MO	1	5	12	54	28
NE	1	2	14	50	33
NC	0	2	22	63	13
ND	2	6	29	53	10
OH	4	10	26	45	15
PA	1	4	13	35	47
SD	0	2	14	64	20
TN	1	4	13	47	35
TX	0	2	11	40	47
WI	7	10	25	39	19
18 States	2	4	18	51	25
Prev Week	2	5	19	51	23
Prev Year	2	6	20	50	22

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

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